




OBJECT POSITION DETECTOR WITH EDGE MOTION FEATURE

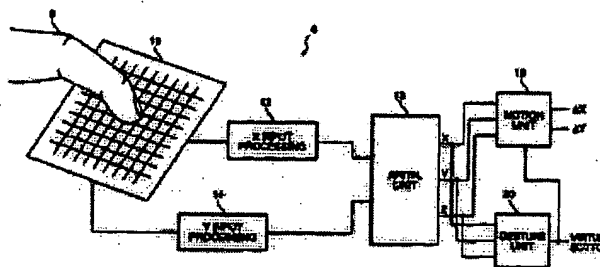
Patent number: JP10505182T
Publication date: 1998-05-19
Inventor:
Applicant:
Classification:
 - International: G06F3/033; G06F3/03
 - european:
Application number: JP19950509612T 19950901
Priority number(s): WO1995US11177 19950901; US19940300630
 19940902

Also published as:

 WO9607966 (A1)
 EP0777875 (A1)
 EP0777875 (B1)

Abstract not available for JP10505182T
 Abstract of correspondent: **WO9607966**

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object or objects to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed. The speed of the cursor movement depends on the one of the display it resides.



Data supplied from the esp@cenet database - Worldwide

BEST AVAILABLE COPY